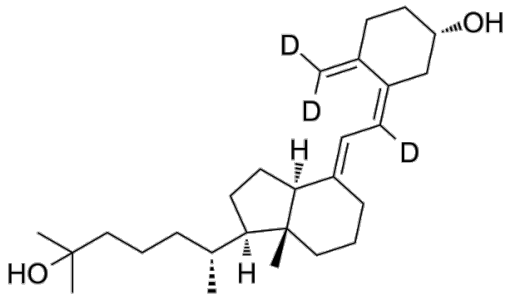
Product Data Sheet

Product Name: Calcifediol-d3
Cat. No.: GC63877

Chemical Properties

Cas. No.	140710-94-7		
Formula	C27H41D3O2	M.Wt	403.66
Solubility	DMSO : 100 mg/mL (247.73 mM; Need ultrasonic); DMSO : 100 mg/mL (247.73 mM; Need ultrasonic)	Storage	4°C, protect from light, stored under nitrogen
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Calcifediol-d3 is a deuterium labeled Calcifediol. Calcifediol, a major circulating metabolite of vitamin D3, is a potent VDR inhibitor[1][2].

[1]. Castoldi A, et al. Calcifediol-loaded liposomes for local treatment of pulmonary bacterial

infections. Eur J Pharm Biopharm. 2016 Nov 22.
[2]. Wei Zheng, et al. Vitamin D-induced vitamin D receptor expression induces tamoxifen sensitivity in MCF-7 stem cells via suppression of Wnt/β-catenin signaling. Biosci Rep. 2018 Dec 7;38(6):BSR20180595.